

**Notice of Allowability**

Application No.

10/040,920

Examiner

Tuan V. Thai

Applicant(s)

REVILLA ET AL.

Art Unit

2186

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 6/26/2006 and Examiner interview conducted on 9/14/2006.
2. ☒ The allowed claim(s) is/are 1-27, 32-37, 40-47 and 49-50 renumbered as 1-10, 21-24, 26-29, 31-32, 34-40, 42, 11, 25, 30, 33, 41, 43 and 12-20 respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other \_\_\_\_\_

  
TUAN V. THAI  
PRIMARY EXAMINER

Application/Control Number: 10/040,920

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**Attorney's Docket No.: 10559-566001**

**IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE**

**In re application of:** Revilla et al.                      **Group:** 2186  
**Serial No.:** 10/040,920                      **Examiner:** Tuan Thai  
**For:**            **METHOD FOR EXTENDING THE LOCAL MEMORY ADDRESS SPACE OF  
A PROCESSOR.**

1. This action is responsive to Examiner interview conducted on September 14, 2006 and amendment filed June 26, 2006. Claims 1-27, 32-37, 40-47 and 49-50 are now allowed. Claims 28-31, 38-39 and 48 have been canceled.

**EXAMINER'S AMENDMENT**

2. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

3. Authorization for this Examiner's Amendment was given in a telephone interview with Mr. Bing Ai; Reg. No. 43,312 on September 14, 2006.

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4. The application has been amended as follows:

a. In the claims:

***Cancel claims 28-31 and 38-39.***

#### **REASONS FOR ALLOWANCE**

5. The following is an Examiner's Statement of Reasons for Allowance:

The prior arts of record do not teach nor suggest, *either alone or in combination*, **all** the limitations of the amended claims of the current invention (claims 1, 11, 15, 19, 21, 25 and 32). The discussion of the reasons for allowance shall be directed to claim 1 which Examiner shall designate as the primary; however the reasons for allowance will also apply to claims 11, 15, 19, 21, 25 and 32 as being directed to the same subjected matter as in claim 1. The prior arts of record do not teach an apparatus and method for extending the local memory address space of a processor comprises receiving a request for access to a memory location; identifying a memory block including the memory location; examining a local memory descriptor associated with the memory block; and accessing a local addressable memory in response to the local memory descriptor

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indicating that the memory block is in the local addressable memory wherein the local addressable memory is external to a local cache, exists in parallel with the local cache and is at the same level of memory as the local cache; specifically, the prior arts of record do not further discloses accesses to the local addressable memory never result in a cache miss. In light of the foregoing, claims 1, 11, 15, 19, 21, 25 and 32 of the present application are found to be patentable over the prior arts. All dependents claims further limit the allowable the independent claims. These claims are therefore allowable for the same reason as set forth above.

Any comments considered necessary by Applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan V. Thai whose telephone number is (571)-272-4187. The examiner can normally be reached on from 6:30 A.M. to 4:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mathew M. Kim can be reached on (571)-272-4182. The fax phone number for the

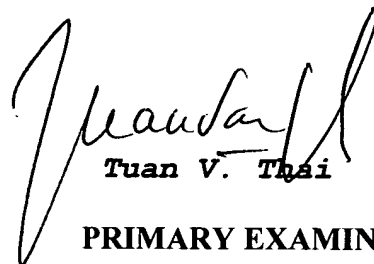
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organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**TVT**/September 14, 2006



**Tuan V. Thai**

**PRIMARY EXAMINER**

**Group 2100**